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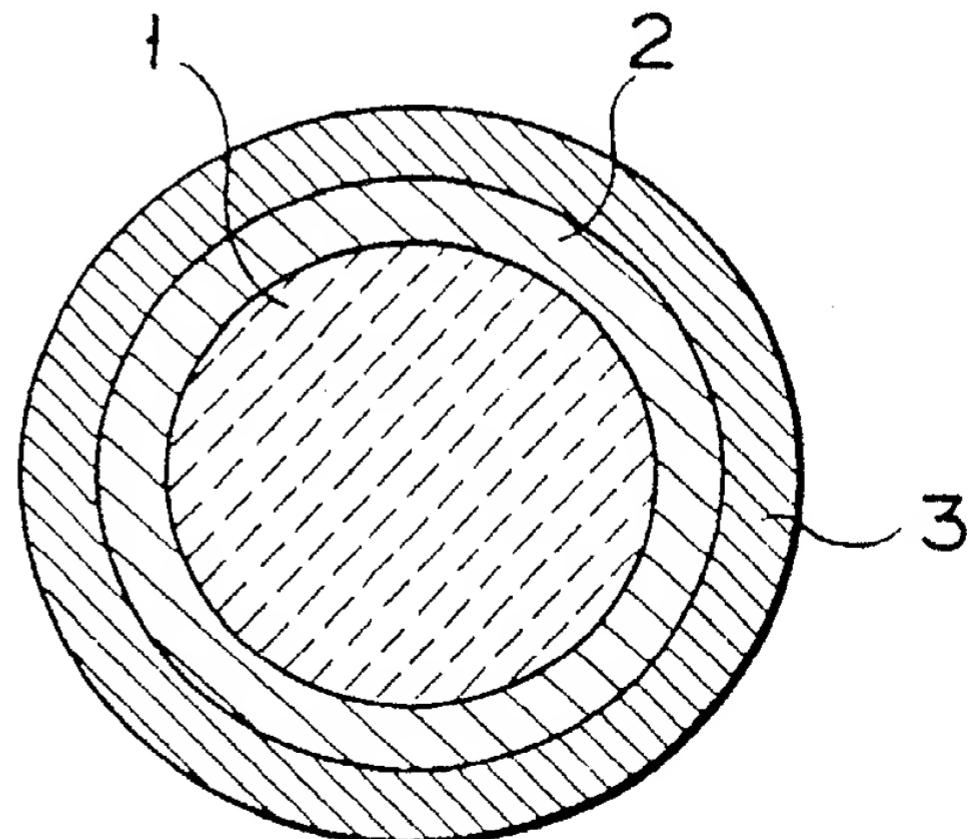
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⑤4 Ceramic superconductor wire and method of manufacturing the same.

⑤7 Disclosed herein is a ceramic superconductor comprising a ceramic superconductive member, and a high-conductivity metal layer (2) covering the ceramic superconductive member. At least one portion (3) of the metal layer having low electrical conductivity or low thermal conductivity. Also disclosed is a method of manufacturing a ceramic superconductor, comprising the steps of filling a ceramic superconductor or a precursor thereof in a high-conductivity metal pipe, thereby forming a composite member, rolling the composite member into a ceramic superconductor element of a desired shape, which comprises a ceramic superconductive member and a high-conductivity metal layer (2) covering the ceramic superconductive member, performing a predetermined heat treatment on the ceramic superconductor element, and alloying a predetermined portion of the high-conductivity metal layer (2), thereby rendering the portion less conductive either electrically or thermally.



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EUROPEAN SEARCH
REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
P,X	EP-A-0 358 779 (MITSUBISHI KINZOKU K.K.) * Page 13, paragraph 1; claim 1; figures 6-10 *	1-8,11, 15-16, 18-19	H 01 L 39/14 H 01 L 39/24
P,A	EP-A-0 357 480 (COMMISSARIAT A L'ENERGIE AT- OMIQUE) * Column 4, lines 10-42; claims 1-4,10; figures 1-4 *	1-19	
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TECHNICAL FIELDS SEARCHED (Int. Cl.5)			
H 01 L 39			
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The present search report has been drawn up for all claims			
Place of search	Date of completion of search	Examiner	
The Hague	08 March 91	HAMMEL E.J.	
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